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## UTILITY PATENT APPLICATION TRANSMITTAL

|                |                                     | _ |                     |  |  |  |  |
|----------------|-------------------------------------|---|---------------------|--|--|--|--|
| Attorr         | ney Docket No.                      | F | RUS0152             |  |  |  |  |
| First Inventor |                                     | J | ason McKittrick     |  |  |  |  |
| Title          | Heat exchanger having an improved I |   |                     |  |  |  |  |
|                |                                     |   | ED 4000000000000000 |  |  |  |  |

(Only for new nonprovisional applications under 37 CFR 1.53(b)) Express Mail Label No. | ER122699729US

|  |   | <del></del> |   |   | -110-      |            |                     |  |  |  |  |
|--|---|-------------|---|---|------------|------------|---------------------|--|--|--|--|
| APPLICATION ELEMENTS   |   |             |   | ADDRESS TO: Assistant Commissioner for Patents Box Patent Application   |            |            |                     |  |  |  |  |
| See MPEP chapter 600 con   | nts.  |             | Wa  | shington,   | DC 20      | 0231       |                     |  |  |  |  |
|  | form (e.g., PTO/SB/17) a duplicate for fee processing)                  |             | 7.  | CD-ROM or CD-R in   |            |            | e table or          |  |  |  |  |
| 2. Applicant claims small entity status. See 37 CFR 1.27.  |   |             |   | Computer Program (Appendix)  8. Nucleotide and/or Amino Acid Sequence Submission  (if applicable, all peopsesson) |            |            |                     |  |  |  |  |
| 3. Specification [Total Pages 23 ]   |   |             |   | a. Computer Readable Form (CRF)   |            |            |                     |  |  |  |  |
| - Descriptive title of the invention   |   |             |   | b. Specification Sequence Listing on:   |            |            |                     |  |  |  |  |
| - Cross Reference to Related Applications  |   |             |   | i. CD-ROM or CD-R (2 copies); or  |            |            |                     |  |  |  |  |
| <ul> <li>Statement Regarding Fed sponsored R &amp; D</li> <li>Reference to sequence listing, a table,</li> </ul> |   |             |   |   |            |            |                     |  |  |  |  |
| or a computer p  | program listing appendix  |             | ii. 🔲 paper 🐧 🚆   |   |            |            |                     |  |  |  |  |
| - Background of the Invention  |   |             | c. Statements verifying identity of above copies                            |   |            |            |                     |  |  |  |  |
|  | of the Invention<br>on of the Drawings ( <i>if filed</i> )              |             | ACCOMPANYING APPLICATION PARTS  |   |            |            |                     |  |  |  |  |
| - Detailed Descr   |   |             | 9. Assignment Papers (cover sheet & document(s))                            |   |            |            |                     |  |  |  |  |
| - Claim(s)   |   |             | 37 CFR 3.73(b) Statement Power of   |   |            |            |                     |  |  |  |  |
| - Abstract of the Disclosure   |   |             |   | 10. (when there is an assignee) Attorney  |            |            |                     |  |  |  |  |
| 4.   |   |             | 11. English Translation Document (if applicable)                            |   |            |            |                     |  |  |  |  |
| 5. Oath or Declaration [ Total Pages ]   |   |             |   | 12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations                                       |            |            |                     |  |  |  |  |
| a.   Newly executed (original or copy)   |   |             |   | 13. Preliminary Amendment   |            |            |                     |  |  |  |  |
| b. Copy from a prior application (37 CFR 1.63 (d)) (for continuation/divisional with Box 18 completed)           |   |             |   | 14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)  |            |            |                     |  |  |  |  |
| i. DELETION OF INVENTOR(S)   |   |             | 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) |   |            |            |                     |  |  |  |  |
| •  | atement attached deleting inventor(s) the prior application, see 37 CFR |             | Nonpublication Poquest under 35 LLS C 133                                   |   |            |            |                     |  |  |  |  |
|  | and 1.33(b).  |             | (b)(2)(B)(i). Applicant must attach form PTO/SB/35                          |   |            |            |                     |  |  |  |  |
| • 🚺  |   |             | I _   | or its equivalent.  |            |            |                     |  |  |  |  |
| 6. ✓ Application Data Sheet. See 37 CFR 1.76   |   |             | 17. Other:  |   |            |            |                     |  |  |  |  |
| 18. If a CONTINUING APPLI<br>or in an Application Data She   | ICATION, check appropriate box, and<br>eet under 37 CER 1.76            | supply t    | he requ   | uisite information below  | and in a p | prelimi    | nary amendment,     |  |  |  |  |
| Continuation   | Divisional Continuation-in-part (                                       | CIP)        |   | of prior application No :   | ,          |            |                     |  |  |  |  |
|  | of prior application No.:/  |             |   |   |            |            |                     |  |  |  |  |
| Prior application information: Examiner: Group Art Unit:   |   |             |   |   |            |            |                     |  |  |  |  |
| Box 5b, is considered a part o   | f the disclosure of the accompanying co                                 | ontinuatio  | n or di   | visional application and is   | hereby in  | ncorpo     | rated by reference. |  |  |  |  |
| The incorporation can only be  | relied upon when a portion has been in                                  |             |   |   | plication  | parts.     |                     |  |  |  |  |
|  | 19. CORRESPO  | DNDENC      | E ADL   | DRESS   |            |            |                     |  |  |  |  |
| Customer Number or Bar C   | ode Label (Insert) Customer No. or Affa                                 | ed bareed   | ə <i>la</i> bəlin   | or 🗸  | Correspon  | dence a    | ddress below        |  |  |  |  |
| Name   | Valeo, Inc.   |             |   |   |            |            |                     |  |  |  |  |
|  | Intellectual Property Department  | t           |   |   |            |            |                     |  |  |  |  |
| Address  | 4100 North Atlantic Boulevard   |             |   |   |            |            |                     |  |  |  |  |
| City   |   |             | ate Michigan Zip  |   |            | Code 48326 |                     |  |  |  |  |
| Country  | U.S.A.  | Teleph      | one   | 248 209 84 35   | Fá         | ax         | 248 209 82 05       |  |  |  |  |
| Name (Print/Type)  | Ronald, COURTNEY  |             | Rea   | istration No. (Attorney   | /Agent)    |            | 34 805              |  |  |  |  |
|  | MALCO   | l           | - 3   |   |            | 03/2       | 26/2004             |  |  |  |  |
| Signature  | 1   |             |   | i   | Date       | i U3/2     | :0/2004             |  |  |  |  |

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PTO/SB/17 (10-03)

Approved for use through 07/31/2006. OMB 0651-0032

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| FEE TRANSMITTA   |                    | Complete if Known  |                  |                       |   |  |  |  |  |
|--|--------------------|--|------------------|-----------------------|---|--|--|--|--|
| PEE IRANSIMITIA  | L                  | Application Number   |                  |                       |   |  |  |  |  |
| for FY 2004  |                    | Filing   | Date             |                       |   |  |  |  |  |
|  |                    | First  | Named            | ntor Jason McKITTRICK |   |  |  |  |  |
| Effective 10/01/2003. Patent fees are subject to annual revision.  |                    | Exam   | iner N           | ame                   |   |  |  |  |  |
| Applicant claims small entity status. See 37 CFR 1.27  |                    | Art U  |                  |                       | <u> </u>  |  |  |  |  |
| TOTAL AMOUNT OF PAYMENT (\$) 828.00  |                    | Attorney Docket No. RUS0152                                    |                  |                       |   |  |  |  |  |
| METHOD OF PAYMENT (check all that apply)   |                    | FEE CALCULATION (continued)                                    |                  |                       |   |  |  |  |  |
| Check Credit card Money Other None   | 3. ADDITIONAL FEES |  |                  |                       |   |  |  |  |  |
| Order Control  |                    | Entity   | -                |                       |   |  |  |  |  |
| ✓ Deposit Account:   | Fee                | Fee  |                  | Fee                   | Fee Description   |  |  |  |  |
| Deposit<br>Account 50-2814   |                    | e (\$)<br>I 130  | <b>Code</b> 2051 |                       | Surcharge - late filing fee or oath   |  |  |  |  |
| Number<br>Deposit<br>Account<br>Valeo Inc  |                    | 2 50   | 2052             |                       | Surcharge - late provisional filing fee or  |  |  |  |  |
| Name   |                    |  |                  |                       | cover sheet   |  |  |  |  |
| The Director is authorized to: (check all that apply)  | 1053<br>1812       | 3 130<br>2 2,520   | 1053<br>1812     |                       | Non-English specification  For filing a request for <i>ex parte</i> reexamination |  |  |  |  |
| Charge fee(s) indicated below Credit any overpayments  | 1804               | •  | 1804             | •                     | Requesting publication of SIR prior to  |  |  |  |  |
| Charge any additional fee(s) or any underpayment of fee(s)  Charge fee(s) indicated below, except for the filing fee       |                    |  |                  |                       | Examiner action   |  |  |  |  |
| to the above-identified deposit account.   | 1805               | 1,840*   | 1805             | 1,840*                | Requesting publication of SIR after Examiner action                               |  |  |  |  |
| FEE CALCULATION  | 1251               | 110  | 2251             | 55                    | Extension for reply within first month  |  |  |  |  |
| 1. BASIC FILING FEE  | 1252               | 420  | 2252             | 210                   | Extension for reply within second month   |  |  |  |  |
| Large Entity Small Entity  | 1253               |  | 2253             |                       | Extension for reply within third month  |  |  |  |  |
| Fee Fee Fee Fee Description Fee Paid Code (\$) Code (\$)   | 1254               | 1,480  | 2254             | 740                   | Extension for reply within fourth month   |  |  |  |  |
| 1001 770 2001 385 Utility filing fee 770.00  | 1255               | 2,010  | 2255             | 1,005                 | 5 Extension for reply within fifth month  |  |  |  |  |
| 1002 340 2002 170 Design filing fee  | 1401               | 330  | 2401             | 165                   | Notice of Appeal  |  |  |  |  |
| 1003 530 2003 265 Plant filing fee   | 1402               |  | 2402             | 165                   | Filing a brief in support of an appeal  |  |  |  |  |
| 1004 770 2004 385 Reissue filing fee   | 1403               |  | 2403             |                       | Request for oral hearing  |  |  |  |  |
| 1005 160 2005 80 Provisional filing fee  | ì                  | 1,510  | 1451             | •                     | Petition to institute a public use proceeding                                     |  |  |  |  |
| SUBTOTAL (1) (\$) 770.00   | 1452               |  | 2452             |                       | Petition to revive - unavoidable  |  |  |  |  |
| 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE  | )                  | 1,330  | 2453             |                       | Petition to revive - unintentional  |  |  |  |  |
| Fee from  Extra Claims below Fee Paid  | 1501               | 1,330<br>2 480   | 2501<br>2502     |                       | b Utility issue fee (or reissue)  Design issue fee                                |  |  |  |  |
| Total Claims 21 -20** = 1 x 18.0 = 18.0  | 1502               |  | 2502             |                       | Plant issue fee   |  |  |  |  |
| Independent 3 - 3** = X U.UU = 0.00  | 1460               |  | 1460             |                       | Petitions to the Commissioner   |  |  |  |  |
| Multiple Dependent 0.00 = 0.00   | 1807               |  | 1807             |                       | Processing fee under 37 CFR 1.17(q)   |  |  |  |  |
| Large Entity   Small Entity  | 1806               |  | 1806             |                       | Submission of Information Disclosure Stmt   |  |  |  |  |
| Fee Fee Fee Fee <u>Fee Description</u> Code (\$) Code (\$)   | 8021               |  | 8021             |                       | Recording each patent assignment per property (times number of properties)        |  |  |  |  |
| 1202 18 2202 9 Claims in excess of 20  |                    |  |                  |                       |   |  |  |  |  |
| 1201 86 2201 43 Independent claims in excess of 3  | 1809               | 770  | 2809             | 385                   | Filing a submission after final rejection (37 CFR 1.129(a))                       |  |  |  |  |
| 1203 290 2203 145 · Multiple dependent claim, if not paid-   | 1810               | 770  | 2810             | · 385                 | For each additional invention to be   |  |  |  |  |
| 1204 86 2204 43 ** Reissue independent claims over original patent   | 180 <sup>-</sup>   | 1 770  | 2801             | 385                   | examined (37 CFR 1.129(b))  Request for Continued Examination (RCE)               |  |  |  |  |
| 1205 18 2205 9 ** Reissue claims in excess of 20   | 1802               |  | 1802             |                       | Request for expedited examination   |  |  |  |  |
| and over original patent   | <u></u>            |  |                  |                       | of a design application   |  |  |  |  |
| SUBTOTAL (2) (\$) 18.00  |                    |  |                  |                       | PROATION ASSIGNMENT 40.00   |  |  |  |  |
| **or number previously paid, if greater; For Reissues, see above *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40.00 |                    |  |                  |                       |   |  |  |  |  |
| SUBMITTED BY (Complete (if applicable))  |                    |  |                  |                       |   |  |  |  |  |
| Name (Print/Type) Ronald COURTNEY  |                    | Registration No. (Attorney/Agent) 34,805 Telephone 248 2098435 |                  |                       |   |  |  |  |  |
| Signature M. J   |                    |  |                  |                       | Date March 26, 2004   |  |  |  |  |

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